

Groups I-VII: Claims 2-30, drawn to a method of identifying a peptide that modulates a biological process comprising directly contacting cells with a peptide library, classified in class 435, subclasses 4 and 29. The Examiner asserts that each of Groups I-VII is directed to a distinct biological process that is assayed for modulation (i.e. apoptosis, protein trafficking, cell adhesion, membrane transport, cell motility, cell differentiation and progression of a disease state, respectively).

Groups VIII-XIV: Claims 2-30 and 32-45, drawn to a method of identifying a peptide that modulates a biological process comprising expressing a peptide library in transfected host cells, classified in class 435, subclasses 6, 69.1. The Examiner asserts that each of Groups VIII-XIV is directed to a distinct biological process that is assayed for modulation (i.e. apoptosis, protein trafficking, cell adhesion, membrane transport, cell motility, cell differentiation and progression of a disease state, respectively).

Group XV: Claims 46-56, drawn to a method of identifying a polypeptide that modulates the infectivity of a pathogenic organism, classified in class 435, subclasses 6, 69.1 and 29.

Group XVI: Claims 57, 59 and 63, drawn to peptides, pharmaceutical compositions and kits comprising the peptides, classified in class 530, subclasses 300 and 350.

Group XVII: Claim 58, drawn to a method of using an isolated peptide for molecular modeling, classified in class 435, subclass 4.

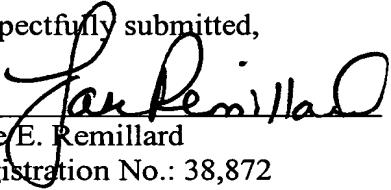
Group XVIII: Claims 60-62, drawn to a method of treatment using a peptide composition, classified in class 514, subclass 2.

Accordingly, Applicant hereby elects Group XV, claims 46-56, directed to a method of identifying a polypeptide that modulates the infectivity of a pathogenic organism.

Applicant believes no fee is due with this statement. However, if a fee is due, please charge our Deposit Account No. 12-0080, under Order No. PPI-107 from which the undersigned is authorized to draw.

Dated: July 9, 2004

Respectfully submitted,

By 

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